

the Bulletin Board

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BNL IS TOP 1964 DONOR OF SCIENTIFIC LITERATURE TO FOREIGN COUNTRIES

We are informed by the Engineers and Scientists Committee of the People-to-People Program that Brookhaven was the largest contributor of scientific literature to foreign countries during 1964. The donations consisted of scientific and technical books and journals no longer needed by their owners. Such material is distributed to universities and libraries in developing countries. In all cases, the literature is sent selectively to only those institutions that have expressed a specific desire for material in certain fields.

We wish to take this opportunity to convey our warmest thanks to all those at the Laboratory who have donated to this worthwhile cause. The program is continuing, and those wishing to contribute further are invited to contact Dennis Puleston, Ext. 2329, or John Binnington, Ext. 2294.

ON-SITE BANK HOURS

Starting this week, the on-site Peoples National Bank branch will remain open during the lunch period on Fridays. Daily Bank hours will be as follows:

Mon.-Thurs. 10:00 a.m. to 3:00 p.m.
Fridays 10:00 a.m. to 4:00 p.m.

THE THREEPENNY OPERA CASTING THIS WEEK

The Threepenny Opera, which goes on the boards at Brookhaven this spring, is casting **now** at the Recreation Hall in the apartment area. That's **tonight** and **Thursday night** (the 14th) at 7:30. Come on over if you want to take part. (You may bring your own music for audition.) And, if not acting, maybe you'd like to work at some aspect of production — stage crew, props, lights, costumes, make-up, etc. Whatever your interest, come to the tryouts, or call Tony Nappi, Ext. 2374.

THEATRE GROUP MEETING

There will be a meeting of the Theatre Group on Monday, January 25, at 8:30 p.m. in the Recreation Building. The program will be announced at a later date.

FORTY-THIRD BROOKHAVEN LECTURE



By : Warren E. Winsche
Chairman, Nuclear Engineering Department
Title:

"The Ordered-Bed Breeder Reactor"

Lecture Hall — Wed., Jan. 20 — 8:00 p.m.

The reactors being built today to generate electrical power are based on concepts conceived at least ten years ago. If reactors are to have a significant impact on the electrical power generating industry, they must be more efficient and they must be capable of breeding or creating more fissionable material than they consume. One of the objectives of the Nuclear Engineering Department at BNL is to conceive and develop new reactor concepts that show promise for the future generation of reactors. Dr. Winsche's talk will illustrate how an idea for a new type of breeder reactor is developed into an overall reactor concept. His lecture will explain how a reactor breeds, what an ordered bed is, and how the idea of an ordered bed has been used to arrive at a new concept for a breeder reactor. The talk will demonstrate the significantly different problems that are faced in engineering research and in basic research.

Dr. Winsche returned to BNL in 1962 as Chairman of the Nuclear Engineering Department after spending ten

(Continued on page 3.)

BERA EXECUTIVE BOARD ELECTION

At its January 6 meeting, the BERA Executive Board appointed a Nominating Committee which will select a slate of candidates for presentation on the ballot to all employees for the annual election of Executive Board members in February.

The members of the Nominating Committee are listed as follows and will meet to select the slate on Friday, January 15.

Blanche Laskee
Arden Neber
James Hallock
George Betz
Vincent O'Leary
Everett Rutan
Arnold Benson
John Van Norman
Grace Fales
Edward Sayre

PERSONNEL SERVICES

RECREATION OFFICE — 3 CENTER STREET
Daily 9:00 a.m. — 1:00 p.m.

Micromet

Micromet (chemicals designed to aid in the prevention of rusty water) will be available through January for resale to employees at a substantial savings.

Seat Belts

We still have a small supply of seat belts at \$2.75 each.

STILL UNDEFEATED

Once again the Lab Rifle Team went out to meet the challengers and once again came out victorious. This time it was the famous IBM and Grumman "B" teams which bit the dust. In the IBM mishap, both teams went to the range undefeated; but due to Roy Domish's 183, Al Lucas' 180, John Jacobs' 176, and Pete Fallon's 175, the Lab came out on top.

At the Grumman match, the BNL Hot Shots, Pete Colombo, 186, George Barton, 182, Roy Domish, 181, and Al Lucas, 179, grounded the Fly Boys. Another job well done by the men of the thunder sticks!

Next week's opponent will be Sperry. In the last match with them, only ONE point was the deciding factor. Hope I still have good news to report after the smoke clears!

**BERA CONCERT SERIES
MIECZYSLAW HORSZOWSKI,
PIANIST**

**Tuesday, January 26, 1965
Brookhaven Center — 8:30 p.m.**

The program will include Sonata in B Flat Major, K 570, Sonata in D Major, and K 576 by Mozart; and Sonata in B Flat Major Opus 106 (Hammerklavier) by Beethoven.

The admission charges are as follows: Adults, \$3; Children, \$1.50; and Non-employee Guest, \$3.50.

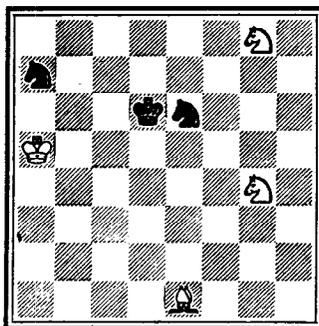
There will be a special concert on Tuesday, February 9, 1965, by Betsy Palmedo, soprano. Details will be announced at a later date.

PICNIC

Shortly after Operation Get-Together No. 7, at discussion meetings concerning our past and future picnics, the Picnic Committee and the BERA Executive Board approved the recommendation to schedule the picnic on alternate years. High on the list of reasons for the decision was the desire of all to once again include food in the picnic menu. The plan is not to substitute the food for the entertainment highlights we have developed these past years, but to add it to our present program without increasing the cost of admission. It was felt the funds accumulated during the intervening year, 1965, put to this use would enable the committee to present the most popular picnic to date.

CHESS PROBLEM

In this week's problem, it is White's move and win. Solution elsewhere in the BULLETIN BOARD.



COOKING EXCHANGE GROUP

The group will meet on Wednesday, January 20, from 3 to 5 p.m. in the Recreation Building, BNL Apartment Area. Quite a few demonstrations will be given. All who are interested, on or off the site, will be most welcome. For further information, contact Joy Johnson at SH 4-5378 or Norma Chernick at GR 5-0168.

**ALIEN ADDRESS REPORTS
DUE IN JANUARY**

The U.S. Government requires that aliens who are in the United States on January 1 of each year shall report their addresses **during the month of January**. This is required even though the alien has not changed his address since the last report.

The parent or legal guardian of alien children under fourteen years of age must report for these children.

Any alien who is temporarily absent from the country on January 1 must report his address within ten days after his return to the U.S.A.

What To Do

Aliens may go to any U.S. Post Office or to any Immigration and Naturalization Service Office and ask for the Address Report Card, Form I-53. When the card has been completely filled in and signed, it should be handed to an employee in any Post Office or Immigration and Naturalization Office. The card **should not** be folded or torn and **should not be mailed**.

Information Needed

In addition to his address, an alien reports the date and place of entry into the United States, the date and place of birth, nationality, and most important—his alien registration number.

Alien Registration Number

An alien's registration number is the number preceded by the letter "A" appearing on his alien registration receipt card.

Aliens admitted temporarily to the U.S. should write "NONIMMIGRANT" in the space provided on the report form for showing the registration number.

If the alien is a newly-arrived immigrant who has not yet received his alien registration receipt, he should write "NOT RECEIVED" in that space.

If an alien has lost his receipt, he should write "LOST" in the space and immediately apply for a new receipt at the nearest office of the Immigration and Naturalization Service.

Penalties

Remember that severe penalties may be imposed upon those persons who willfully or inexcusably fail to report

REGISTER DURING JANUARY!

FOLK DANCING

There will be folk dancing on next Monday night, January 18, at 8:00 p.m. in the Recreation Hall. The welcome mat will be out for everyone, no matter what his folk dancing experience.

Arrivals and Departures

WELCOME TO BNL

APPLIED MATHEMATICS	
Ronald M. Yuhas	Ext. 2589
COSMOTRON	
Susan A. Rose	2481
NUCLEAR ENGINEERING	
Thomas E. Stephenson	453

RECENT DEPARTURES

CHEMISTRY	
Brigitte Kleinselbeck	
PHYSICS	
Dorothy Misfler	

LEARN TO SWIM

Classes are now being organized to teach you to swim, or if you're struggling along, to swim a little better.

Adult classes are offered to employees and their wives or husbands. Lessons will be held at the pool on Wednesday evenings at 6:00 p.m. beginning February 3. Each session will be one hour long, once a week, for a period of seven weeks. The fee for the entire course will be \$4.00 per person. Please register as soon as possible. Registration fee must accompany your application. Send or bring to G. Sabine, 3 Center. (Make checks payable to B.E.R.A.)

Registration deadline is January 22

SWIMMING POOL

Hours — 7:00 - 10:00 p.m. on Tuesday, Wednesday, Thursday, and Friday
Admission — Employee (family member), \$35. Guests, \$60
Season Tickets — Valid to mid June. They are still a bargain. Employee, \$5. Family, \$10.

SPECIAL BOWLING EVENT

A High Individual Gross Game Special Event is being sponsored by the BERA Bowling Board during regular BNL league bowling.

Week of January 25

Qualifying Night: All bowlers compete; highest gross game on each team eligible for roll-off.

Week of February 1

Roll-Off Night: All previously qualified bowlers compete; highest gross game in each league and in all BNL leagues will be determined from games rolled during this week.

Prizes

All BNL League Champion — \$25 Savings Bond. Individual League Winners — Bottle of champagne.

See your League secretary for details!

Forty-Third Brookhaven Lecture—Contd.

years at the Savannah River Laboratory. There he made significant contributions to the chemistry and engineering of separation processes in the purification of reactor fuels and the production of special isotopes. His guiding role in developing the concept of the ordered-bed reactor makes it appropriate for him to be the spokesman for this phase of research in the Nuclear Engineering Department.

A buffet supper (\$3.00) will be served at the Brookhaven Center before the lecture, beginning at 6:00 p.m. Reservations should be made at least one day in advance by calling Ext. 2302 before 5:00 p.m. or Ext. 2453 in the evenings.

Refreshments will be available in the Research Staff Lobby following the lecture.

JUNIOR LIFE SAVING CLASS

Registration is now being accepted at the Recreation Office for children (ages 12 to 15) of employees interested in joining our Junior Life Saving course which will be given at the Pool on Monday evenings at 6:00 p.m. beginning on February 1.

Red Cross certificates will be presented to those who meet the necessary qualifications at the conclusion of the lessons. Each lesson will be one and one-half hour long and the class will meet once a week for a twelve-week period. Registration fee for the entire course is \$9.00 per student. An American Red Cross Junior Life Saving Manual (cost included in fee) will be distributed to each class member.

Obviously, a certain degree of swimming proficiency is required to be eligible for the course. The minimum requirement is ability to swim 75 yards in reasonably good style.

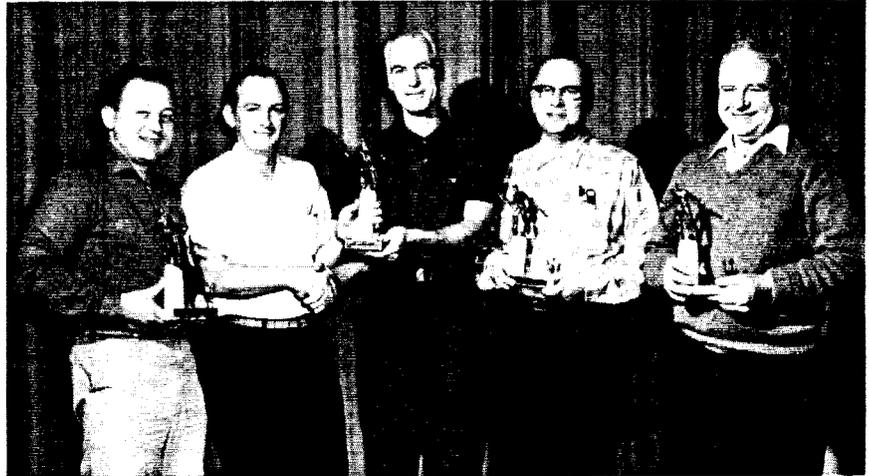
The first session on February 1 will be devoted to qualifying tests. Should a student fail to meet the necessary standards, his registration fee will be refunded.

Since the size of the class will be limited, please register early. Applications must be accompanied by the \$9.00 fee. (Make checks payable to B.E.R.A.)

The registration deadline is January 22

**February 12
JIMMY SMITH
& HIS SIX-PIECE ORCHESTRA
and
FEMALE VOCALIST
at our
BERA DANCE**

FISHING WINNERS RECEIVE AWARDS



1964's Fishing Contest winners receive their BERA trophies from Chairman John McCafferty (center). Left to right they are Richard Nedosik, James Gallagher, Jose Ferrer, and George Stoll.

A round of applause goes to John McCafferty from BNL's fishermen for his fine job as committee chairman.

SET SHOTS

Action resumed this week in the Laboratory Slo-Break Basketball League after a two-week holiday break. On Wednesday night the Dirty Sox continued their winning ways, taking Applied Math 51-16. Mike Zguris (17 points) and Tommy Lee (10 points) led the Dirty Sox. Steve Lewkowitz scored 8 for the losers.

Thursday night presented two close, well-played games. The Old Timers held off a re-vitalized Physics team by a 33-27 score. Carl Klamut again led the Old Timers with 12 points while Jimmy Brandon scored 8. When Captain John Pontieri had to leave the game with a charley horse late in the second half, Andy Cendrowski, his capable replacement who had four fouls at the time, managed to finish the game without committing another. John Capute scored 9 points for the Physics team and Jerry Andritz had 8.

Jack Van't Hof came off the bench in the second half to rally a tired Biology team which went on to defeat Nuclear Engineering 29-21. Jack and Red Carsten each had 7 points and Nick Combatti 6 points for the winners. Morse of the Nuclear Engineering club was high man for the night with 10 points.

The standings after the first third of the season are:

	WON	LOST
Dirty Sox	5	0
Biology	4	1
Old Timers	3	2
Applied Math	2	3
Nuclear Engineering	1	4
Physics	0	5

SOLUTION TO CHESS

- | | |
|--|---------------|
| 1. K-N6 | 1. N-B1 check |
| 2. K-N7. If K-Q2, 3. | 2. N-K2 |
| N(68)-B6 check, K-Q1 | |
| 4. B-R5 check wins the knight. | |
| 3. B-N3 check | 3. K-Q2 |
| 4. N(N8)-B6 check | 4. K-Q1 |
| 5. B-B7 check | 5. Nx8 |
| 6. N-K5 and mate next move if on 6 the knight on King 2 moves. 7. N-B6 mate and if on 6, the knight on B2 moves. | |
| 7. N-B7 mate. | |

CLASSIFIED ADS

FOR SALE

1962 KARMANN GHIA - New tires, new battery, good cond. W. Delaney, Ext. 2505 or JU 4-5979.

1959 FORD - Fairlane, 2 doors, very good cond. Ext. 538 or 7653.

1955 CHEVROLET - 4 door sedan, std. trans., rebuilt 1956 V-8 engine, body & rubber in good shape, 2100 miles on engine. \$250. R. Jones, Ext. 591 or EM 3-6783 after 7.

1954 CHEVROLET - Good mech. cond., brand new battery & 4 good tires, \$75. J. Sharma, Ext. 7674 or 7705 after 6.

1956 CHEVROLET - 2 door Belaire, r/h, good second car. \$162.25. Jim, Ext. 673.

1956 RAMBLER - 4 door sedan, auto. trans., r/h, good mech. cond., body good, 4 good tires, \$200. Ext. 589 or GR 5-9009.

1959 CHEVROLET - Impala, 4 door sedan, excel. running cond., immaculate interior & exterior, auto. trans. \$500. LT 9-3056.

1957 DODGE - V8, auto. trans., 4 new tires. Ext. 330 or AT 9-3561 after 6.

1960 CHEVROLET - 4 door, 6 cyl., std. trans., r/h, \$490. Ext. 2491.

1963 RAMBLER - 220 American. R/h, low mileage, immaculate cond. \$1,050. R. Young, Ext. 591 or LT 9-5755.

1955 CHEVROLET - Auto. trans., many new or rebuilt parts, \$220. Bernard, Ext. 2741 or 7711.

1960 WILLYS STATION WAGON - 4 wheel drive, r/h, 820 tires, lg. rims, best offer over \$900. GR 5-2043.

1958 CHEVROLET - Station wagon, blue, excel. cond., good mileage, available Jan. 15. \$300. Dr. Thorn, Ext. 2881 or 301.

1930 FORD - Roadster, street & show car. Can be driven anywhere. Has taken 7 trophies in past year; also appeared on Ed Sullivan Show. 53 Olds engine, ¾ race cam, 2-4 barrel carbs. Serious offers only. \$1,150 firm. For additional details, call Cammarano, Ext. 691 or HR 3-7142 after 6.

1962 RAMBLER - American convertible, good cond. \$900. Ext. 2407 or SH 4-9812 after 6.

18' SAILBOAT - Centerboard sloop, fiberglassed hull & deck, SS rigging, dacron sails excel. cond. Best offer. Cockrill, Ext. 2326 or 281-6453.

BLUE JAY - 3 years old, sails & spinnaker, \$850. AT 6-8957 after 5:30.

RANCH - 6 rooms, 2 car garage, fire place, w/w carpeting in living-dining room, beautifully landscaped lot, 150x100. JU 8-7082.

HOUSE - For sale or rent in Smithtown. 8 rm. split level, 3 bedrms 1½ baths, all appliances, storms, screens, near school & shopping, immediate occupancy. \$18,000. Ext. 455.

RANCH - 3 bdrms in the country on 80x312 lot. Hot water baseboard heat, accessible storage attic, lg. kitchen, near beach, marina, & new city boat dock. \$13,500. Ext. 2126 or JA 2-3889.

ICE SKATES - Boy's skates, size 8, excel. cond. Feet grew to size 10½; skates didn't. G. Barton, Ext. 2102 or SH 4-2216.

OPERA TICKETS - Two tickets for Saturday, Jan. 16, matinee performance of Turandot. \$6.50 each. Joe, Ext. 7734.

RECORD PLAYER - Portable Westinghouse stereo, like new, \$55. (Normal discount price, \$100) Bernard, Ext. 2741 or 7711.

ELECTRIC MOTOR - New Century, 220/440 volts, 3 phase, ¾ hp, ball bearing. Best offer. Ext. 7667.

GERMAN SHEPHERD - Male, 7 mos., AKC, black & tan, completely house broken. \$60. Bob, Ext. 2506 or HR 3-9180 after 6.

SNOW TIRES - Slightly used. Dr. Sakamoto, Ext. 2874 or AT 6-1145.

1962 STUDEBAKER HAWK - V8, 298 hp, 4 speed trans., new tires, excel. cond. \$1200. M. Specht, Ext. 2376.

1963 VOLKSWAGEN SUNROOF - Truly immaculate cond., many extras, \$1,300. Also 1958 Buick, 4 door hardtop, V8, auto trans., ps/pb, \$325. P. Lieberman, Ext. 7732.

1961 FORD MICROBUS CAMPER - Fully equipped with bunk, toilet, storage, water tank, ice box, beach tires. AT 6-0323.

BICYCLES - 24" Schwinn boy's bike & tricycle. Both very good cond. Ext. 7653 or 538.

GUITAR - Guild, very good cond., \$75 with case. L. Barlow, Ext. 2871 or SH 4-9724.

CAPTAIN'S CHAIRS - Two with brown corduroy foam cushions. \$12 each or \$20 pair. Ext. 2103.

DINING ROOM SUITE - China cabinet, buffet, expandable table, 4 chairs, dark oak wood finish in good shape. S.C. Jones, Ext. 2526 or 277-9089.

MISCELLANEOUS - Baby buggy, play pen, jump seat, rocking horse, sand box, Holly-wood bed frame, double bed with boxspring & mattress, collapsible single bed frame, ancient TV in mahogany cabinet. Best offers. AT 6-1227.

WASHING MACHINE - Maytag wringer type, \$25. or best offer. A. Appleby, Ext. 628.

BICYCLE - Boy's 26" bicycle, used twice, with tools & lights, \$20. Ext. 301-47.

TWIN BEDS - Maple with mattress & springs, excel. cond. \$40. HR 2-1356 after 5.

TIRES - 4 incl. tubes & wheels, 10" Pirellis for Morris Mini-Minor, like new, \$50. Other parts, like motor, etc. cheap. R. Hudson, Ext. 7112 or JU 8-7744.

FURNITURE - Late 18th Century English style, dark mahogany, couch, coffee table, 2 end tables, all in good cond., all for \$80. R. Schermer, Ext. 541 or SH 4-9877.

FREEZER - 1961 United 14 cu.ft. used only 6 months, perfect cond. Orig. \$600. Asking \$250. W. Delaney, Ext. 2505.

MISCELLANEOUS - Girl's riding boots, little used, brown, size 6. Sidewalk roller skates, 2 pair, \$2 each, practically new. Also taffeta party dress, never worn, size 9. AT 6-9158.

RADIO CONVERTERS - 2 citizens band radio converters for car. Also covers the 10-20-40-80 meter bands. Made by Gonset & Morrow. \$15 each. Ext. 2480.

TRANSMITTER - 3 control, 6 band, 813 transmitter, QST Jan. 1954, modified as per QST Oct. 1956. 400 V (only) power supply incl. For a CW man. Both for \$70. C. Porter, Ext. 618.

WASHING MACHINE - Late model Norge wringer with pump. Also crib with mattress & carriage. Cockrill, Ext. 2326 or 281-6453.

BABY GRAND PIANO - Excel. cond., used only on Sunday by little old lady. \$499. Call PA 7-0364.

MISCELLANEOUS - GE 14" TV, good picture, \$20. GE iron, good cond., \$5. Man's skates, size 7 used one day, \$4. Boy's skates for age 6, \$2. J. Sharma, Ext. 7674 or 7705 after 6.

WANTED

FENCING EQUIPMENT - Sabers, epees, etc., any cond. R. Hudson, Ext. 7112 or JU 8-7744.

PIANO - Second hand in excel. cond. Preferably spinet. Ext. 485.

ROOM & ROOMMATE - Furnished room, apt., or house until June and roommate to share it. Need a place to stay until I get a permanent roommate in June. J. Andritz, Ext. 7677.

TRUNKS - Or luggage. Bernard, Ext. 2741 or 7711.

ENGLISH LESSONS - From anyone who will teach English in exchange for Italian or for a fee. Mrs. P. Guidoni, Ext. 522, BNL Apt. 26A.

MRS. SONJA SCHMIDT - A letter from Zurich addressed to Mrs. Sonja Schmidt (or something close to this spelling) is in the Office of Scientific Personnel, 40 Brookhaven Avenue. Call Ext. 493 if you know of such a person.

PIANO ROLLS - Any age, condition, or selection. Ext. 7147 or AT 6-9207.

HOME - For cat. 281-6453.

FOR RENT

APARTMENT - Furnished, ideal for 1 or 2 people. In East Patchogue. AT 6-9524 after 6.

APARTMENT - In Patchogue. 3 rooms & bath. Unfurnished. GR 5-2084 or GR 5-0225.

APARTMENT - Lovely 2 rm. furnished apartment in Bellport village with garage, private entrance, king-size or twin beds, all utilities incl. in rent of \$120. AT 6-8850.

RANCH - 3 bedrooms, furnished, breezeway, attached garage. In Mastic Beach. \$100. Ext. 2585 or 281-6453.

CARPOOLS

DRIVER - Wishes to join or form carpool from new Levitt development in Stony Brook starting early February. D. Schweller, Ext. 2824.

RIDE - Wanted from River Ave., Patchogue. G. Joyce, Ext. 2797.

DRIVER - Wishes to form or join carpool to Hofstra U. for spring semester. Tues./Thurs. classes, 6:15-9:05. Would prefer N. Shore, Port Jefferson area. M. Hilgemeier, Ext. 2531.

DRIVER - Needed from vicinity of Bayport to complete carpool. H. Pfister, Ext. 674.

DRIVER - Wanted to complete existing carpool which meets near Exit 24 of Southern State Pkwy. No. Merrick-East Meadow area. L. Livingston, Ext. 301 or C. Ruege, Ext. 451.

DRIVER - Wishes to join carpool from Queens, N.Y. area. F. Krieger, Ext. 2591.

LOST

WOMAN'S WHITE SWEATER - At Brookhaven Center on Tuesday evening, Dec. 22. R. Parsick, Ext. 2526.

FOUND

MEDAL - On chain, found in pool.

PIPE - Found in Bldg. 919.

EARRING - Red, found in Bldg. 30.

SLIPPERS - Lady's lounge, found in Bldg. 30.

GLOVES - Man's brown leather, found in Recreation Office.

RING - Silver, man's initialed, found in Physics.

CHILD'S MITTEN - Found at corner of Rochester and Brookhaven.

Personnel Services - 3 Center Street